

In the Claims

Please cancel claims 4 and 6 and amend claims 1, 5, 7 and 12-13 as follows:

1. (Currently amended) A polarized cell line double-transfected with (a) a DNA sequence encoding an uptake transporter for organic anions ~~from the solute carrier (SLC) superfamily~~ operatively linked with a promoter and (b) a DNA sequence encoding an export pump ~~from the ATP-binding cassette (ABC) superfamily~~ for organic anions or anionic conjugates operatively linked with a promoter, wherein the uptake transporter is a member of the subgroup 21A or 22A of the solute carrier (SLC) superfamily and the export pump is a member of the multidrug resistance transporter (MDR; ABCB) subgroup or the multidrug resistance protein (MRP; ABCC) subgroup of the ABC superfamily.
2. (Original) The cell line of claim 1 which is a canine or human cell line and the DNA sequences of (a) and/or (b) are human.
3. (Previously Presented) The cell line of claim 1 which is a kidney cell line.
4. (Canceled)
5. (Currently amended) The cell line of claim 1 [[4]], wherein the uptake transporter for organic anions is OAT1 (SLC22A6), OATP2 (SLC21A6), OATP8 (SLC21A8) or OATP-B (SLC21A9).
6. (Canceled)
7. (Currently amended) The cell line of claim 1 [[6]], wherein the export pump for organic anions or anionic conjugates is the bile salt export pump (BSEP; ABCB11) or the multidrug resistance protein 2 (MRP2; ABCC2).

8. (Previously Presented) The cell line of claim 1 wherein the DNA sequence encoding an uptake transporter for organic anions and/or the DNA sequence encoding an export pump for organic anions or anionic conjugates are operatively linked with a promoter allowing high expression.
9. (Canceled).
10. (Previously Presented) The method of claim 12 wherein the candidate agent is a drug candidate.
11. (Previously Presented) The method of claim 12 or 13 wherein the identification of a transport substrate or a transport inhibitor is carried out as high throughput screening.
12. (Currently amended) A method for identifying whether a candidate agent is a transport inhibitor comprising:
- (i) growing the cell line of claim 1 as a polarized monolayer having an apical and a basolateral compartment;
 - (ii) incubating ~~contacting~~ the cells with a transport buffer comprising a candidate agent and a labeled or fluorescent substrate to the apical or to the basolateral compartment; and
 - (iii) measuring the labeled or fluorescent substrate ~~candidate agent~~ in an apical or basolateral ~~the opposite~~ compartment opposite to the compartment of (ii) to determine whether the candidate agent inhibits cellular transport by the transporter for organic anions or the export pump for organic anions or anionic conjugates.
13. (Currently amended) A method for identifying whether a candidate agent is a transport substrate comprising:
- (i) growing the cell line of claim 1 as a polarized monolayer having an apical and a basolateral compartment;
 - (ii) incubating ~~contacting~~ the cells with a candidate agent to the apical or to the basolateral compartment; and

- (iii) determining whether the candidate agent is transported into and/or within the cell by the transporter for organic anions or the export pump for organic anions or anionic conjugates by measuring the candidate agent in an apical or basolateral ~~the opposite~~ compartment opposite to the compartment of (ii).